

Fate Report for Case # P-13-0248

Fate

Summary Statement

Fate P-13-0248

Summary

Statement: FATE:

MP = (M)
S = at 25 C (M)



POTW removal (%) = 0; OECD 301C (MITI): 2% (BOD)/28d NRB;

OECD 305 (Biocon):

under detectable limit: <11-fold(low),

<1-fold(high)/28d.

Time for complete ultimate aerobic biodeg >

mo

Sorption to soils/sediments = low

PBT Potential: P3B1

*CEB

FATE: Migration to ground water = rapid

CBI:

Fate

Assessor:

SMILES:

Physical Properties

Property	Measured/Calculated Value	EPI
Molecular Form:		
Molecular Wt.:		
% < 500:		
%		
< 1000:		

Property	Measured Value	Method	Estimated Value	Method	EPI
Melting Point:		Exp.			
Boiling Point:					
BP Pressure:			@760		@760
Vapor Pressure:				Salt	
Water Solubility:		Exp.			
Log P:					
Log Kow:					
Log Koc:					
Log BCF:					
Henry's Law:					
pH:					
pH					
Comment:					

Fate Analysis

Hydrolysis (t1/2, da):	Volatilization (t1/2) - River (hr):	Volatilization (t1/2) - Lake (da):
Atm Ox Potential (t1/2)OH (hr):	Atm Ox Potential (t1/2)O3 (hr):	Atm Ox Potential (t1/2) Total (hr):
MITI Linear:	MITI NonLinear:	
Biodeg Linear:	Biodeg NonLinear:	
Biodeg Survey ult:	Biodeg Survey Prim:	
STP (% removal) Total:	STP (% removal) Biodeg:	
STP (% removal) Ads:	STP (% removal) Air:	

Rationales

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Removal in Wastewater Treatment: Atmospheric Oxidation: Hydrolysis: Photolysis: Aerobic Biodegradation: Anaerobic Biodegradation: Sorption to Soil and Sediment: Migration to Groundwater: Persistence - Air: Persistence - Water: Volatilization from Water: Soil: Sediment: Other: Standard: Bioaccumulation:
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PBT Ratings

Persistence	Bioaccumulation	Toxicity	PBT Comments
3	1	Awaiting Human Health Entry Awaiting Human Health Entry Awaiting Human Health Entry Awaiting Human Health Entry Awaiting Human Health Entry	

Exposure-Based Testing

Exposure-Based Testing:

Fate Ratings

Removal in WWT/POTW (Overall):

Removal in 0 WWT/POTW (Overall):
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Condition	Rating Values	Rating Description				Comment
		1	2	3	4	
WWT/POTW Sorption:	1	Low	Moderate	Strong	V. Strong	
WWT/POTW Stripping:	4	Extensive	Moderate	Low	Negligible	
Biodegradation Removal:	4	Unknown	High	Moderate	Negligible	
Biodegradation Destruction:		Unknown	Complete	Partial	—	
Aerobic Biodeg Ult:	4	<= Days	Weeks	Months	> Months	
Aerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Ult:	4	<= Days	Weeks	Months	> Months	
Anaerobic Biodeg Prim:		<= Days	Weeks	Months	> Months	
Hydrolysis (t1/2 at pH 7,25C) A:		<= Minutes	Hours	Days	>= Months	
Hydrolysis (t1/2 at pH 7,25C) B:		<= Minutes	Hours	Days	>= Months	
Sorption to Soils/Sediments:	4	V. Strong	Strong	Moderate	Low	
Migration to Ground Water:	4	Negligible	Slow	Moderate	Rapid	
Photolysis A, Direct:		Negligible	Slow	Moderate	Rapid	
Photolysis B, Indirect:		Negligible	Slow	Moderate	Rapid	
Atmospheric Ox A, OH:		Negligible	Slow	Moderate	Rapid	
		Negligible	Slow	Moderate	Rapid	

Condition	Rating Values	Rating Description				Comment
		1	2	3	4	
Atmospheric Ox B, O3:						

Bio**Comments:**

<p>Bio OECD 301C (MITI): 2%</p> <p>Comments: (BOD)/28d NRB. OECD 305 (Biocon): under detectable limit: <11-fold(low), <1-fold(high)/28d.</p>
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Fate Comments:

Fate Comments:

Comments/Telephone Log

Artifact	Update/Upload Time